

ABRASIVE WATER JET CUTTING CENTRE FBJETIII

> Compact > Robust
> Greater accessibility

FRANCE
DESIGN & MANUFACTURE

CE Our products conform to applicable standards

Find full information on our website

FBJET

Model shown
FBJET III 40.20 1T5X active AW

ABRASIVE WATER JET CUTTING CENTRE



STANDARD CHARACTERISTICS

> Cutting speed limited to 30 m /min
> Repeatability +/- 0,02 mm
> Absolute precision +/- 0,03 mm
> 304L stainless steel tank

“THE LDSA WATER JET CUTTING MACHINE SUITED TO STONE WORKING”

EN 9100 BUREAU VERITAS Certification

ISO 9001 BUREAU VERITAS Certification

FANUC

COMPACT, ROBUST,

GREATER ACCESSIBILITY

LDSA, the leading French Designer and Manufacturer of Water Jet Cutting Centres, presents its new generation of “FBJET III” 5 axis type tables. Consistent fully integrated concept using all the latest cutting-edge technologies.

Our single configuration remote arm model for greater accessibility !

The machine is controlled by a latest generation **CNC** unit from **FANUC (world No.1)**, offering ease of use coupled with unrivalled **reliability and precision**. The very high pressure water supply (4000 Bar – 6200 Bar) is provided by a **BFT** (European No.1) pump, **“OEM” version**, fully integrated into the machine frame.

The HMI (human machine interface) is fully **developed and programmed in house**, making it fully adaptable and customisable. The machine operates under **Windows 11 IoT Entreprise LTSC**, allowing for easy, secure integration into your IT network.

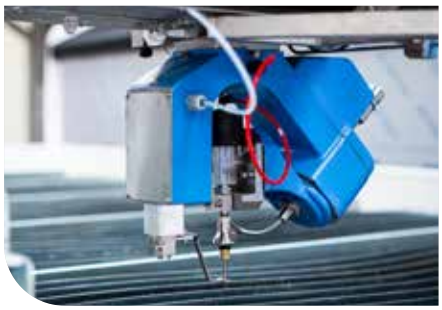
A range of sensors enable the system to be controlled and managed remotely. That digital compatibility means that remote assistance can be provided easily, quickly and efficiently.

The machine, which is highly compact, uses only the highest quality mechanical and electrical components, to ensure the greatest possible reliable.

CONFIGURATION BENEFITS



REMOTE ARM
For greater accessibility around 3 sides



ACTIVE 2.5D 5-AXIS HEAD
Chamfer cutting, taper correction etc.



SUBMERGED CUTTING
Cut in silence. System managed by the CNC for automatic BALLAST type water level adjustment.



STANDARD EQUIPMENT :
Height/flatness touch probe, Controlled abrasive dispenser



PUMP INTEGRATED INTO THE FRAME



PERFECTLY SUITED TO STONE WORKING

SINGLE CONFIGURATION WITH GREATER ACCESSIBILITY

Pump, ballast... everything is integrated into the machine. Easy loading with 3 sides accessible

LDSA ADDED BENEFITS

FANUC CNC

COMPLETE MACHINE
turnkey

LOCAL AFTER-SALES

TRAINING
free and unlimited

ALL SECTORS

/ AERONAUTICAL / AEROSPACE / INDUSTRY / AUTOMOTIVE / NAVAL / NUCLEAR / SHEET METAL & METALLURGY / MARBLE MASONRY / TEACHING...

VIEW THE FULL specifications of this machine on our website

ALL MATERIALS

600 mm and over
soft materials
glass wool, rubber, fabrics, cardboard, polypropylene...

500 mm
hard materials
stone, ceramics, aluminium, brass, plastic, carbon...

200 mm
very hard materials
steel, titanium, stainless, Inconel, Creusabro...

COMPARE

OUR PRODUCTS

	WJA II	LCJET III	FBJETIII	ECJET III
Useful stroke (X x Y x Z) mm	**Min** 1000 x 1000 x 200 **Max** 6000 x 18000 x 200	**Min** 1200 x 1100 x 200 **Max** 1100 x 1200 x 200	**Min** 1700 x 3300 x 200 **Max** 2000 x 4000 x 200	**Min** 1000 x 1000 x 150 **Max** 2000 x 3000 x 150
Overall dimensions (X x Y) mm	**Min** 2000 x 2000 **Max** 7100 x 19100	**Min** 2270 x 2680 **Max** 2270 x 2680	**Min** 4140 x 5700 **Max** 4350 x 6300	**Min** 2000 x 2000 **Max** 3000 x 4000
3D 5-axis head (Z = 350 mm)	Yes (option)	Yes (option)	No	No
ACTIVE 5-axis head 2.5D (Z = 200 mm)	Yes (option)	Yes (option)	Yes	No
Z displacement =500 OR 750mm	Yes (option)	Yes (option)	No	No
Max no. heads/bridges (On separate carriage)	4	2	1	2
Max no. bridges	4	1	2	1
Height/Flatness touch probe	Yes	Yes	Yes	Yes (option)
Abrasive doser managed by CNC with sensors	Yes	Yes	Yes	Yes (option)
Touch screen (control console)	Yes	Yes	Yes	No
Max possible pressure (Bar)	6200	6200	6200	4150
Movement speed Max. (m/min)	50	50	40	30
Positioning precision (+/- mm)	0.03	0.03	0.03	0.05
Repeatability (+/- mm)	0.02	0.02	0.02	0.05
Standard load accepted by table (kg/m²)	1000	1000	1000	1000
Load accepted by Table 2T/m² or 3T/m² option	Yes (option)	No	Yes (option)	No
Nozzle diam. (mm)	**Min** 0.08 **Max** 0.4	**Min** 0.08 **Max** 0.4	**Min** 0.08 **Max** 0.4	**Min** 0.08 **Max** 0.4
AUTOMATIC water level adjustment INTEGRATED into machine tank (Ballast)	Yes (option)	Yes (option)	Yes	No
MANUAL water level adjustment from OUTSIDE machine tank (external tank - Retrofit possible)	Yes (option)	Yes (option)	No	Yes (option)

In addition to this document,
also see the following documents :
> Pumps > SEBA > Abrasive
Visit our website

1, impasse des Lettres
ZI de Popey
55000 BAR-LE-DUC
FRANCE

Tel. +33 (0)3 29 77 12 12
Fax +33 (0)3 29 79 68 41
Email contact@ldsa-france.com

ldsa-france.fr